

PATENT CLAIMS

1-13 (cancelled)

14. (new) A device for obtaining circulation of a fluid comprising a shaft (2) and provided thereto a plurality of fan bodies (3) that rotate in a cavity having inlet and outlet openings for the fluid flow,
c h a r a c t e r i s e d i n that the fan bodies (3) in their basic form are substantially disc-shaped bodies that extend in a substantially radial direction and are positioned on the shaft (2) so that it runs through the centre of the fan bodies and in such a manner that a void is formed between two neighbouring fan bodies (3), which two fan bodies (3) are in connection with each other only close to or through the shaft (2) and the cavity is substantially cylindrical and comprises at least two openings (16, 16') for tangential intake/discharge of the fluid that is to circulate.
15. (new) A device according to claim 14,
c h a r a c t e r i s e d i n that the length of the shaft (2) and the number of fan bodies (3) can be varied depending upon the site of use of the device.
16. (new) A device according to claim 14,
c h a r a c t e r i s e d i n that the fan bodies (3) in their basic form are substantially rotational-symmetrical about their centre, are arranged essentially at right angles to the shaft (2) and with a distance between the fan bodies (3).
17. (new) A device according to either of claims 14 or 16,
c h a r a c t e r i s e d i n that the fan bodies (3) on or in their substantially radially extending faces have flow elements (8) that promote better air circulation.
18. (new) A device according to claim 17,
c h a r a c t e r i s e d i n that the flow elements (8) consist of at least one projection in the radial faces of the fan body.
19. (new) A device according to claim 18,
c h a r a c t e r i s e d i n that the flow elements (8) consist of projections on both substantially radially extending faces of the fan body.
20. (new) A device according to claim 19,
c h a r a c t e r i s e d i n that the projection(s) (8) run from a radius r_1 to a radius r_2 , wherein $r_1 < r_2$, and r_2 is substantially equal to an outer point of the fan body.
21. (new) A device according to claim 20,
c h a r a c t e r i s e d i n that the projection(s) (8) run along a line of curvature that is curved forwards relative to the direction of rotation at an angle essentially equal to 90 degrees relative to a rotational tangent at r_1 , and an angle of 50 degrees relative to a rotational tangent at r_2 .
22. (new) A device according to claim 21,

c h a r a c t e r i s e d i n that the flow elements (8) may be made straight and radial or straight and at an angle or curved and radial, forward or backward curved relative to the direction of rotation.

23. (new) A device according to claim 14,
c h a r a c t e r i s e d i n that the substantially tubular cavity, wherein the shaft rotates is defined by a cover (15) with inlet and outlet openings (16, 16').

24. (new) A device according to claim 14,
c h a r a c t e r i s e d i n that the tubular cavity, in which the shaft rotates, is formed as an integral part of the structure in which the fan device is to be mounted.

25. (new) A method for mounting the device according to claim 14,
c h a r a c t e r i s e d i n that the shaft (2) is cut to the desired length for the use in question, the number of fan bodies (3) with the desired surface is determined and introduced onto the shaft (2) with optional intermediate spacers (7) and secured to the shaft (2), or that a one-piece shaft (2) with fan bodies (3) is produced in lengths and cut to the right length according to need, whereupon the shaft with fan bodies is arranged in the cavity.